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PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Dkt. No.:	5681-05300
Client Ref. No.:	P6846
Inventor(s):	Nixon, et al.
Serial No.:	10/027,353
Filing Date:	December 19, 2001
Examiner:	Unknown
Group Art Unit:	2185
Title:	CACHE ACCUMULATOR MEMORY WITH AN ASSOCIATIVITY MECHANISM

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CERTIFICATE OF FIRST CLASS MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on the date indicated below.

Robert C. Kowert
Name of Registered Representative

Apr 12, 2002 [Signature]
Date Signature

**POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PREVIOUS POWERS**

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Commissioner for Patents
Washington, D.C. 20231

APR 17 2002
Technology Center 2100

Dear Sir/Madam:

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 901 San Antonio Road, Palo Alto, California 94303, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints

- | | |
|------------------------|------------------|
| Kenneth Olsen | Reg. No. 26,493 |
| Timothy J. Crean | Reg. No. 37,116 |
| Alexander E. Silverman | Reg. No. 37,940 |
| Anirma R. Gupta | Reg. No. 38,275 |
| Sean P. Lewis | Reg. No. 42,798 |
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| Noreen A. Krall | Reg. No. 39,734 |
| Bernice B. Chen | Reg. No. 42,403 |
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Marilyn E. Glaubensklee	Reg. No. 35,521
Andrew C. Chen	Reg. No. 43,544
Jeffrey L. Myers	Reg. No. 44,252

each of said attorneys being employed by Sun Microsystems; and

Mark Brightwell	Reg. No. 47,446
Kevin L. Daffer	Reg. No. 34,146
Mark R. DeLuca	Reg. No. 44,649
Jeffrey C. Hood	Reg. No. 35,198
Robert C. Jahnke	Reg. No. 44,800
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Mollie E. Hamel	Reg. No. 48,405
Mark Lupkowski	Reg. No. 49,010


each of said attorneys or agents being a member or an associate of the firm of Conley, Rose & Tayon, P.C., as attorney or agent for so long as they remain with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to: Robert C. Kowert
CONLEY, ROSE & TAYON, P.C.
P.O. Box 398
Austin, Texas 78767-0398
(512) 476-1400

Assignee of Interest: SUN MICROSYSTEMS, INC.
M/S PAL 01-521
901 San Antonio Road
Palo Alto, CA 94303

Dated: March 13, 2000

By: 
Name: Kenneth Olsen
Reg. No.: 26,493
Title: Vice President, Intellectual Property



UNITED STATES
PATENT AND
TRADEMARK OFFICE

5681-05300

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FEBRUARY 21, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
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CONLEY, ROSE & TAYON, P.C.
ROBERT C. KOWERT
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RECORDATION DATE: 12/19/2001

REEL/FRAME: 012408/0178
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
NIXON, WALTER T.

DOC DATE: 12/17/2001

ASSIGNOR:
CHONG JR., FAY

DOC DATE: 12/17/2001

ASSIGNEE:
SUN MICROSYSTEMS, INC.
901 SAN ANTONIO ROAD
PALO ALTO, CALIFORNIA 94303

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SERIAL NUMBER: 10027353
PATENT NUMBER:

FILING DATE: 12/19/2001
ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FEB 28 2002

01-04-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

P6846

To the Honorable Commissioner of Patents and Trademark

1. Name of conveying party(ies):

Walter T. Nixon
Fay Chong, Jr.Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other _____

Execution Date: December 17, 2001

2. Name and address of receiving party(ies):

Name: Sun Microsystems, Inc.

Internal Address: _____

Street Address: 901 San Antonio RoadCity Palo Alto State CA ZIP 94303Additional name(s) & address(es) attached? ☐ Yes ☒ No

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of this application is: December 17, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert C. KowertInternal Address: Conley, Rose & Tayon, P.C.Street Address: P.O. Box 398City Austin State TX ZIP 78767-03986. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 501505/ 5681-05300/RCK
(Attach a duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Robert C. KowertName of Person Signing
Reg. No. 39,255[Signature]
SignatureDecember 19, 2001

Date

Total number of pages: 3

OMB No. 0651-011 (exp.4/94)

01/03/2002 LMUELLER 00000178 501505 10027353

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to SUN MICROSYSTEMS, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at 901 San Antonio Road, Palo Alto, California 94303 their entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled, **CACHE ACCUMULATOR MEMORY WITH AN ASSOCIATIVITY MECHANISM**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

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COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) Walter T. Nixon Date: 12/17/01
Name: Walter T. Nixon

(Signature) Fay Chong, Jr. Date: 12/17/01
Name: Fay Chong, Jr.

Robert C. Kowert
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